

Stephanie's Reading List - Web links, Books

Technology Trends

[Horizon Project | nmc](#)

[Teens | Pew Research Center's Internet & American Life Project](#)

[Publications - Joan Ganz Cooney Center](#)

TED TALKS - (technology, entertainment, and design) <http://www.ted.com>

Learning Spaces

[Leading the Transition from Classrooms to Learning Spaces \(EDUCAUSE Quarterly\) | EDUCAUSE](#)

David Thornburg - Campfires in Cyberspace (<http://www.tcpd.org/Thornburg/Handouts/Campfires.pdf>)

Learning

[From Learning What to Learning How](#)

[Bloom's Taxonomy Blooms Digitally, Andrew Churches](#)

Emerging Learning Trends - (Stephen Heppell)
http://rubble.heppell.net/learnometer/media/learnometer_jan07.pdf

[The Global Achievement Gap](#)

[Stanford mathematician: In reality, simulation is key to math education](#)

Challenges

SAMR model of technology adoption cycle - [Ruben R. Puentedura's Weblog: As We May Teach: Educational Technology, From Theory Into Practice](#)

Google Advice to Students - [Official Google Blog: Our Googley advice to students: Major in learning](#)

Confronting the Challenges of Participatory Culture: Media Education for the 21st Century <http://newmedialiteracies.org/files/working/NMLWhitePaper.pdf>

Apple Classroom of Tomorrow Today - [ACOT2](#)

[Challenge Based Learning](#)

[Building a 21st century u.s. education system](#)

[Study: class podcasts can lead to better grades](#)

[Social Networking: Learning Theory in Action -- Campus Technology](#)

[The Evolution of Education: Empowering Learners To Think, Create, Share, and Do -- THE Journal](#)

[Is America Falling Off the Flat Earth?](#)

[Video Game Helps Math Students Vanquish an Archfiend - Algebra - NYTimes.com](#)

[With iTunes, schools join digital world | Newark Live - - NJ.com](#)

Back to the future: Colorado's Adams 50 tears up the traditional model for K-12 instruction, adopts a 21st-century approach

[Top News - Big district dumps grade levels -- for starters](#)

Their Space: Education for a digital generation

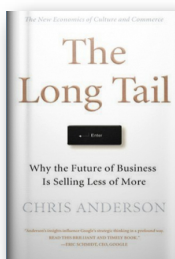
<http://www.demos.co.uk/files/Their%20space%20-%20web.pdf?1240939425>

[The Partnership for 21st Century Skills - List of Publications](#)

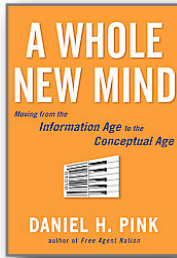
[Innovation: Singapore Is No. 1, Well Ahead of the U.S. - BusinessWeek](#)



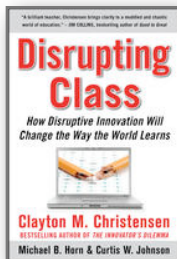
Poised to transform every social institution, the Net Generation is reshaping the form and functions of school, work, and even democracy. Simply put, the wave of youth, aged 12-30, the first truly global generation, is impacting all institutions. Particularly, employers, instructors, parents, marketers and political leaders are finding it necessary to adapt to the changing social fabric due to this generation's unique characteristics.



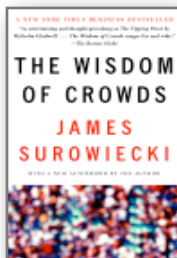
Anderson argued that products that are in low demand or have low sales volume can collectively make up a market share that rivals or exceeds the relatively few current bestsellers and blockbusters, if the store or distribution channel is large enough.



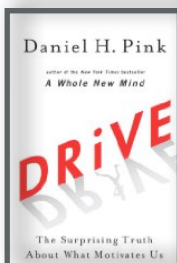
According to Pink, the keys to success are in developing and cultivating six senses: design, story, symphony, empathy, play, and meaning. Pink compares this upcoming "Conceptual Age" to past periods of intense change, such as the Industrial Revolution and the Renaissance, as a way of emphasizing its importance.



Disrupting Class from Clayton Christensen and colleagues points out that motivation is central to learning and that if schools and learning are to be transformed as they must be, motivation must be at the center of the work. They also point out how technology should be used to personalize learning and what the future might look like for schools.



James Surowiecki explores a deceptively simple idea that has profound implications: large groups of people are smarter than an elite few, no matter how brilliant—better at solving problems, fostering innovation, coming to wise decisions, even predicting the future.



According to Pink (A Whole New Mind), everything we think we know about what motivates us is wrong. He pits the latest scientific discoveries about the mind against the outmoded wisdom that claims people can only be motivated by the hope of gain and the fear of loss. Pink cites a dizzying number of studies revealing that carrot and stick can actually significantly reduce the ability of workers to produce creative solutions to problems. What motivates us once our basic survival needs are met is the ability to grow and develop, to realize our fullest potential.



The Heath brothers speak energetically and encouragingly on how to modify our behaviors and businesses. This clever discussion is an entertaining and educational must-read for executives and for ordinary citizens looking to get out of a rut. Change is not inherently frightening, but our ability to alter our habits can be complicated by the disjunction between our rational and irrational minds. The trick is to find the balance between our powerful drives and our reason.

Business Productivity	Learning environment
Monetary or Revenue Driven	Knowledge Creation and Dissemination
Cost Reduction (Productivity)	Creative Exploration
Highly Restrictive	Highly Collaborative, Interactive and Ad-Hoc
Software Solutions are Functional	Software Solutions are Expressive
Network Centric	User/Student Centric
Total Cost of Ownership	Total Opportunity of Ownership

Design

Productivity vs Learning

Learning Spaces Technologies



Campfire



Watering hole



Cave



Mountain top

Distributive Technologies 1-to-Many

- iChat Video- guest experts
- Webcasts
- Online courses
- Learning Management Systems
- Web pages
- Media Streaming

Collaborative Technologies Many-to-Many

- Wiki
- Social network
- Online Document editors
- Text messaging
- MMOG (massive multi-player online games)
- Online Brainstorming app
- Voicethread

Me

- Portable Computer
- Mobile devices
- Creative Applications
- Headphones
- Personal Blog
- Personal storage space
- Apps fro iPad/iPod Touch

Distributive Feedback Technologies 1-to-Many or Many-to-Many

- Wiki/blog
- Social network
- Podcast Directory
- Photo sharing sites
- Online Gallery
- Forums

Adapted from Campfires in Cyberspace: Primordial Metaphors for Learning in the 21st Century by David D. Thornburg, Ph.D.



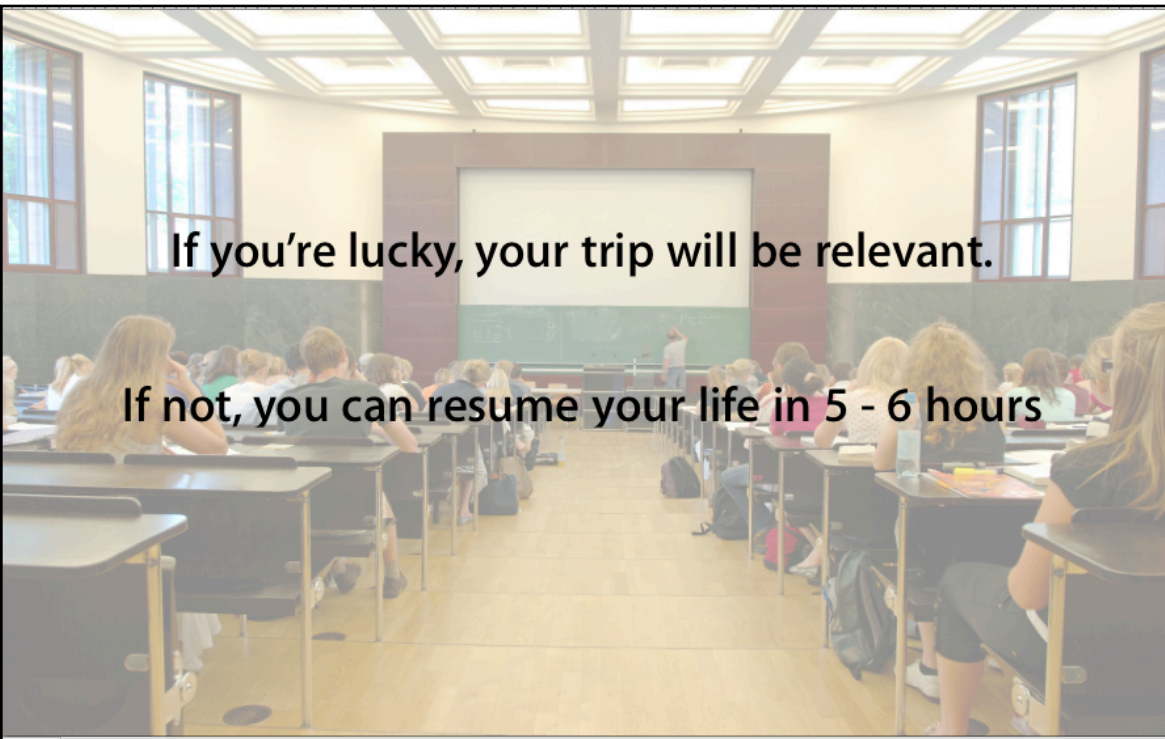
School from a Student's Perspective
School is like taking a Qantas Flight



Sit Down
Face Forward
Strap Yourself in
Turn off all your electronic devices

School from a Student's Perspective

School is like taking a Qantas Flight



If you're lucky, your trip will be relevant.

If not, you can resume your life in 5 - 6 hours